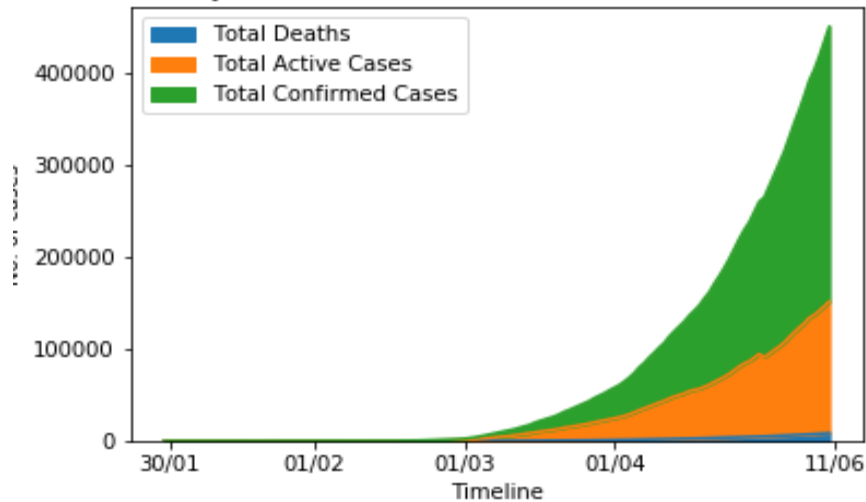
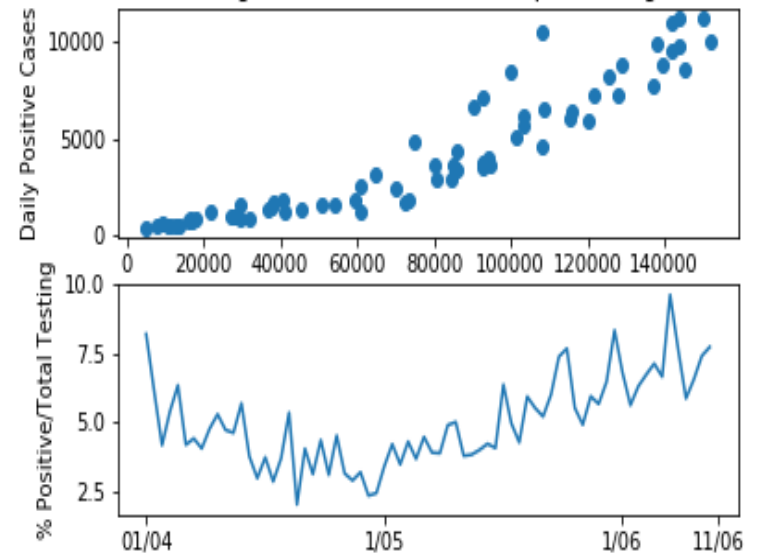


PRESENT ANALYTICS - INDIA

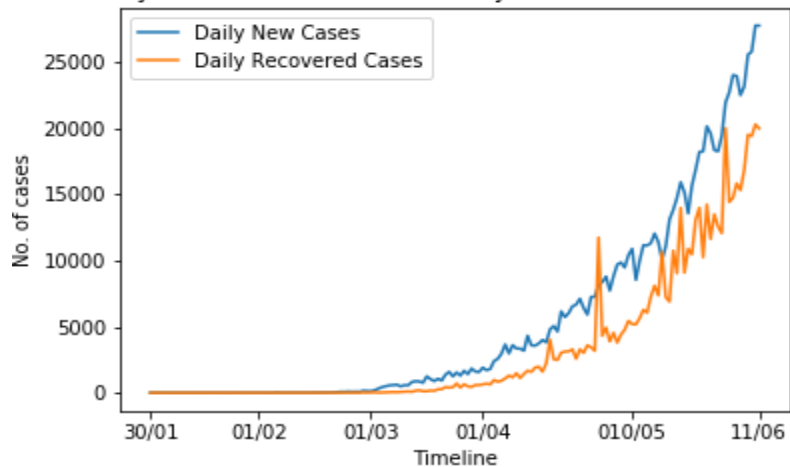
Daily Confirmed and Active Covid 19 cases in India



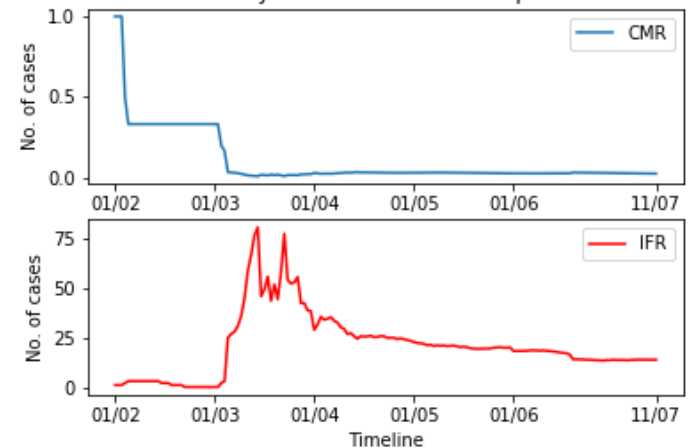
Diagrammatic Overview of Sample Testing



Daily New Covid 19 Cases vs Daily Recovered Cases in India

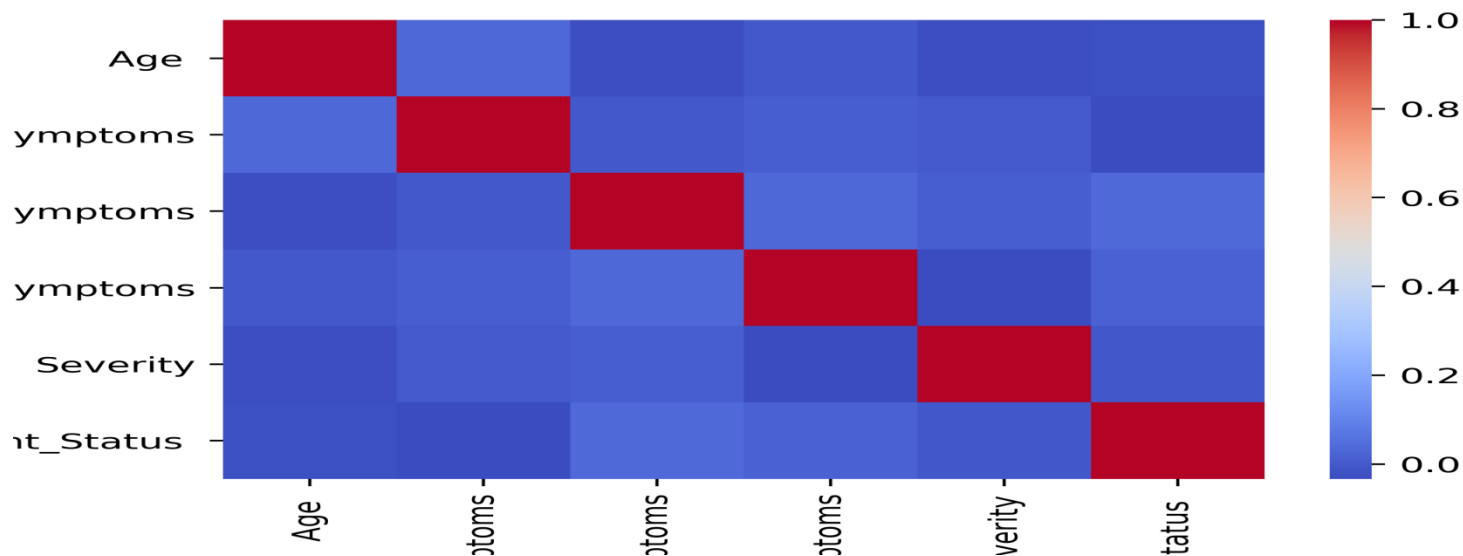


Daily National CMR and IFR plot



Correlation Study Through Heatmap

- Study on a dataset consisting 3135 individual from different age brackets diagnosed with either FLU or COVID 19, with various types of symptoms of multiple degrees of extent.

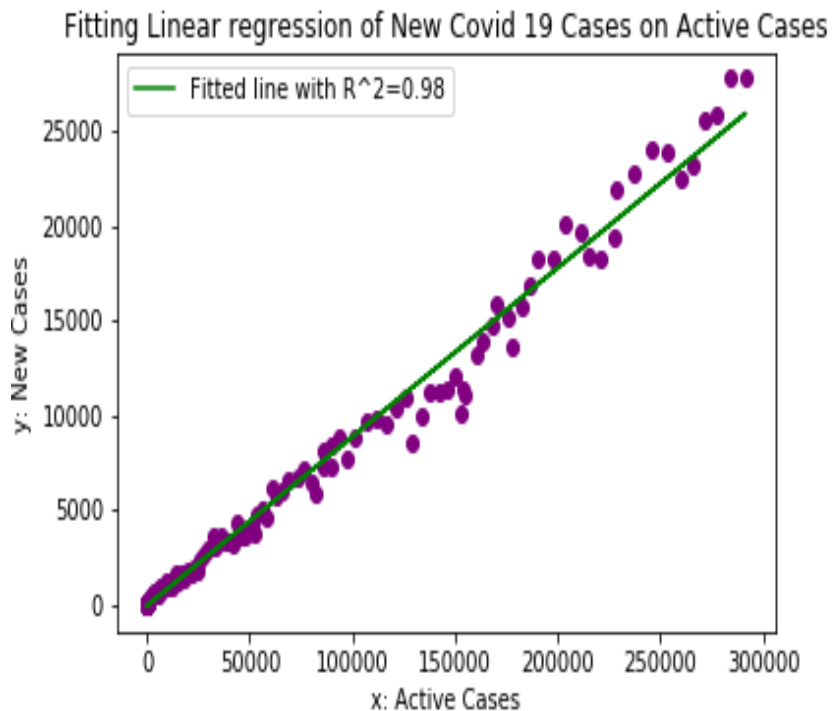


Conclusion: The association between COVID 19 positive with symptoms, degree of health issues or age, is very low. ➔ individual with severe symptoms can be diagnosed with flu, not covid 19.

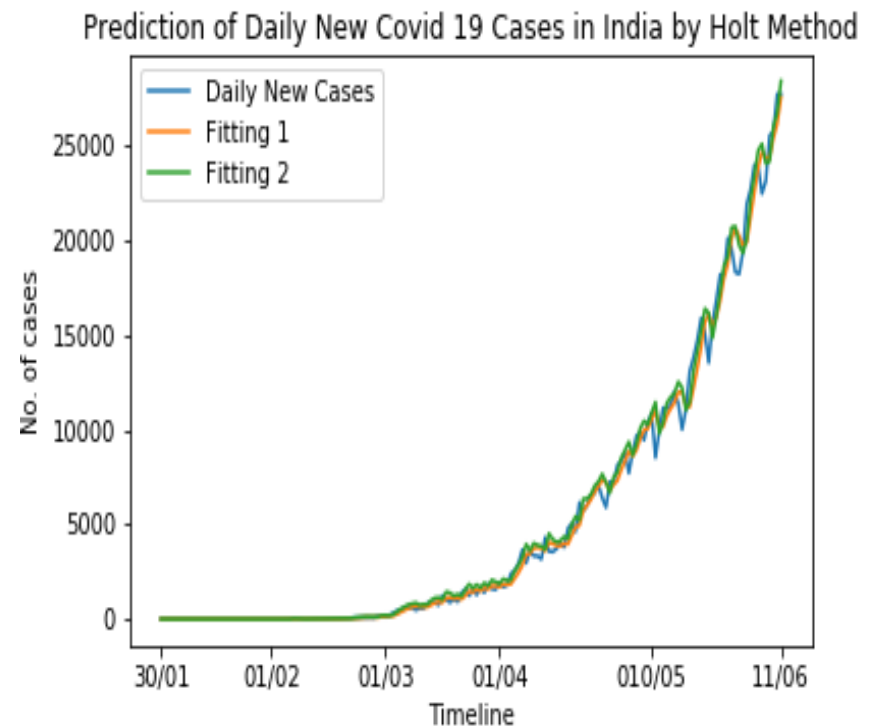
What causes or influence COVID 19 is inconclusive: Need for thinking OUT OF THE BOX

Models For Prediction

Fitting of Daily New Cases through Linear regression on Active Cases of the previous day



Time Series modeling of Daily New Cases using Holt's method



Classifiers for gauging severity

Dataset

Target: Covid 19 *OR* Flu ??

Set of Classifiers:

- Age
- Serious symptoms
- Most important Symptoms
- Less important symptoms,
- Severity

#individuals: 3135

Method Used:

➤ SVM

(Accuracy = 0.46)

➤ Decision Tree
(Accuracy = 0.7)

[75% used as trainee set,
25% used as test set]